

CS/BBA(H)/BSCM(H)/BIRM(H)/Even/4th Sem/BBA-401/2014

**2014**

**Production Management**

**Time Alloted : 3 Hours**

**Full Marks : 70**

*The figure in the margin indicate full marks.  
Candidates are required to give their answers in their  
own words as far as practicable*

**GROUP - A**

**( Multiple Choice Questions )**

1. Answer any ten of the followings (Choose the correct one)

10x1=10

- i) Which of the following constitute conversion cost?
  - a) Material cost & direct wages;
  - b) Direct wages & factory overhead;
  - c) Material cost & factory overhead;
  - d) Office overhead & direct wages;
- ii) Which type of layout is most suitable for the requirements of a jobbing facility?
  - a) Product layout;
  - b) Process layout;
  - c) Circular layout;
  - d) None.
- iii) Production Management is valid for
  - a) Manufacturing;
  - b) Hospital;
  - c) Hotel;
  - d) All of these;
- iv) Production Planning and Control activities are carried out

2045

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[ Turn over ]

to

- a) Ensure timely delivery;
- b) Utilize resources effectively and economically;
- c) Be a flexible system;
- d) None.

v) PPC means:

- a) Production, procurement and control;
- b) Production Planning and Control;
- c) Production, productivity and control;
- d) None.

vi) Mass Production System is adopted when

- a) 'Volume' is very large and 'variety' is less
- b) 'Volume' is very small and 'variety' is large
- c) Both 'volume' and 'variety' are medium
- d) None of these.

vii) Measure of efficiency of a productive system is also known as

- a) Utility;
- b) Efficacy;
- c) Effectiveness;
- d) Productivity.

viii) For an integrated Steel Plant, plant location decision is primarily influenced by the consideration of

- a) Proximity to the market
- b) Proximity to the raw material source;
- c) Availability of electricity;
- d) None of the above.

ix) 'Work measurement' is done for

- a) Determining the standard time;
- b) Streamlining the method
- c) Ensuring high productivity;
- d) None.

x) The objective of 'Plant maintenance' is to

- a) Increase the availability of the equipment and

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facilities;

- b) Increase the utilization of machines and equipment;
- c) Upgrade machines and equipment;
- d) None of the above.

xi) Statistical quality control is done to

- a) Prevent any defective product from going out of the factory
- b) Observe the trend of product quality
- c) Initiate corrective action if quality trend shows an adverse pattern
- d) None of the above.

xii) The control chart which is used in a situation where fraction defectives are the criteria for acceptance or rejection is called

- a) X chart
- b) R-chart
- c) P- chart
- d) C- chart.

**GROUP - B**

**( Short Answer Type Questions )**

Answer any *three* of the following : 3x5=15

- 2. How can the production system be classified? (5)
- 3. Mention the important factors affecting selection of Location of a Plant. (5)
- 4. Define Cyclegraphs and Chrono - cyclegraphs. (5)
- 5. What is Time Study? Enumerate the steps in conducting Time Study. What is meant by standard Time? (5)
- 6. What is Statistical Quality Control(SQC)? (5)

**GROUP - C**

**( Long Answer Type Questions )**

Answer any *three* of the following. **3x15=45**

7. State the different factors influencing the plant layout. Tabulate the various merits & demerits of Product layout. Define method study.  
(5+7+3=15)
8. Write short notes on any two of the following: **7 $\frac{1}{2}$ x2=15**
- a) Performance Rating
  - b) Six Sigma
  - c) Kaizen Philosophy
  - d) Materials Handling System
9. What is Normal Time? Describe various allowances that are used to calculate the Standard Time? In the factory of TATA Motors the basic time is established to be 40 secs by the Plant Manager. If for three observation, a time study observe records rating of 100, 125 & 80 respectively on a 100 Normal Scale. What are the observed timing?  
(4+5+6=15)
10. Briefly outline the scope of Maintenance Management. Write a short note on Breakdown Maintenance. Briefly underline the concept of Preventive Maintenance.  
(5+5+5=15)
11. Explain in brief the principles of "Material Handling System". Discuss the different types of material handling equipment with examples.  
(7+8)